

HS2

Hillingdon

October 2022

3-month construction look ahead



Hillingdon

September 2022

This forward look covers HS2 associated work in the London Borough of Hillingdon.

The document includes:

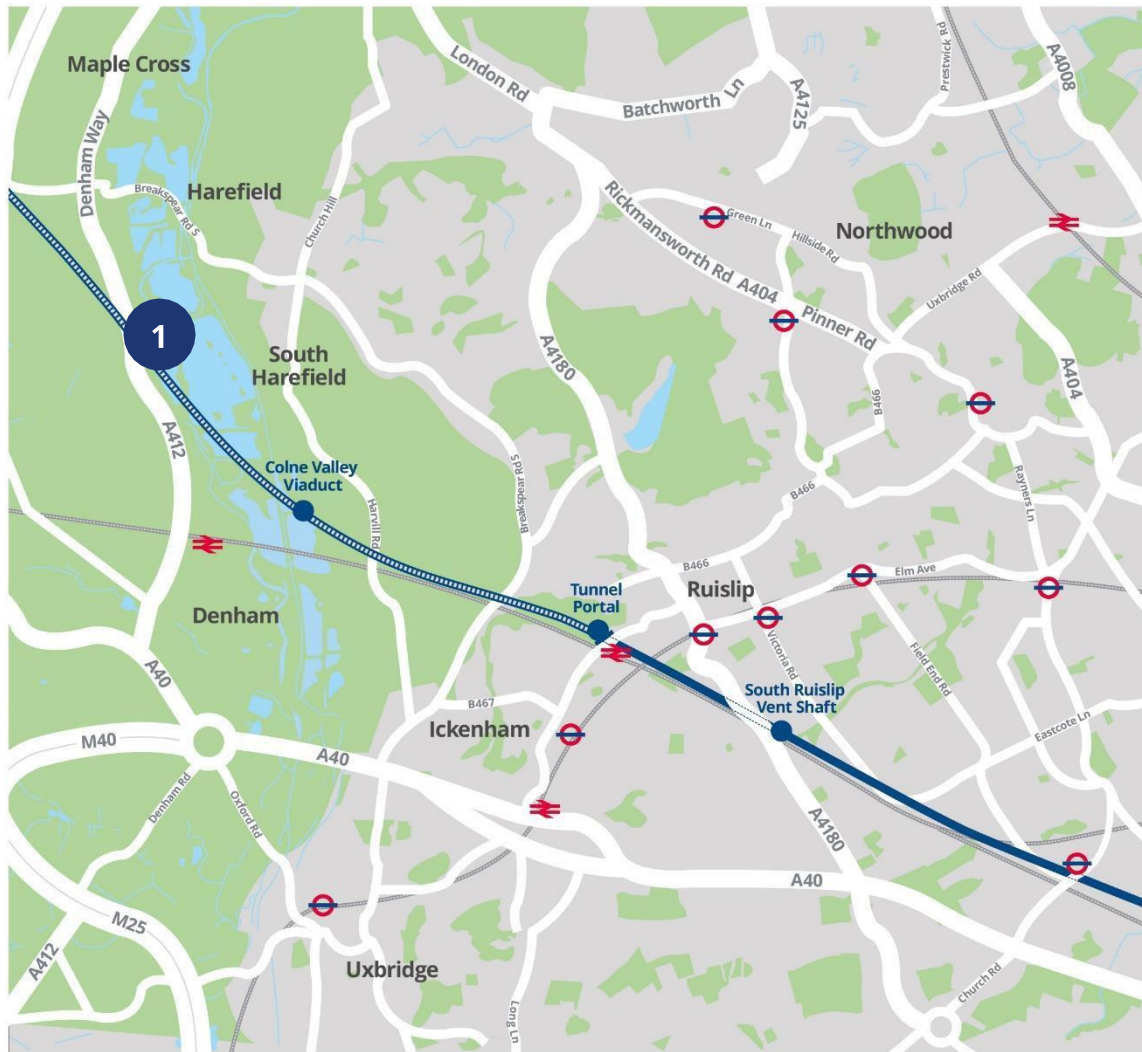
- A forward look of construction activities planned in the next three months
- Works to be aware of that will take place in the next 12 months, but may not yet have been confirmed

The dates and information included in the forward look are subject to change as programme develops. These will be updated in the next edition of the forward look.

If you have any queries about the information in this forward look, the HS2 Helpdesk is available all day, every day on **08081 434 434** or by emailing **HS2enquiries@hs2.org.uk**

Hillingdon

Map 1 – Hillingdon overview



Key

	Parkland		Rail station		HS2 route Phase One overground
	Water/river		Existing train line		HS2 route Phase One underground
	Underground station				

Construction look ahead

Location of works	Proposed duration	Description of works
Location 1 A412 North Orbital Way, Bucks	Ongoing until 2024	<p>Colne Valley Viaduct, A412 North Orbital Way</p> <p>A programme of rotary piling has commenced on land adjacent to Denham Water Ski Club. These works are progressing southwards along the line of the viaduct.</p> <p>Cranes and piling rigs are being used and concrete for the bored piles is being delivered using our internal haul road to reduce HGVs on local roads.</p> <p>For access to viaduct pier locations in the Korda, Savay, and Harefield lakes, we have built temporary jetties - temporary bridge structures – across the lakes. These allow us to use the jetty as a platform to support cranes and rigs that bore permanent piles for the viaduct piers into the ground under the lake.</p> <p>These piling works will create some noise and are likely to be noticeable in the local area throughout the year. We will be carrying out targeted engagement with residents to keep them updated on our progress.</p> <p>The A412 will be closed in both directions from 10pm to 6am every night (Monday to Sunday) from 19 August to 25 October 2022 in order to build the viaduct decking across the road. A clearly signed and managed diversion will be in place during these times. Access for residents and businesses between Maple Cross and the north end of the road closure will be carefully managed. Access for pedestrians across the A412 to and from the existing Public Rights of Way KEN/P1/1 and DEN/P38/1 will also be closed from 10pm to 6am every night during the works for the safety of pedestrians.</p>
Multiple locations	Ongoing until December 2024	<p>Continuing with water quality sampling from the River Colne, River Pinn, Newyears Green Bourne and The Greenway.</p> <p>Small samples of water are taken from streams in the area each month. This is done by staff on foot taking a jam-jar sized sample for analysis.</p>

Map 2 – Colne Valley lakes and Harvil Road



Key

Parkland	Rail station	HS2 route Phase One overground
Water/river	Existing train line	

Construction look-ahead

Location of works	Proposed duration	Description of works
Location 1 Moorhall Road	September 2021 until March 2023	<p>The northern construction site off Moorhall Road is now complete and fully operational. The jetties and haul road linking the Moorhall Road compound with the North Embankment, Denham and South Portal in West Hyde are now open. Construction vehicles are using the internal haul road to access the pier locations.</p> <p>To the south of Moorhall Road, the haul road and jetty that will be used by construction vehicles to</p>

Location 2 Colne Valley lakes		<p>work on the Colne Valley Viaduct has been built and is now being used to access pier locations in Savay Lake to build the permanent structure.</p> <p>Permanent road traffic signals are operating in Moorhall Road to control traffic movements at the junction with Moorhall Road and our work compounds.</p>
	Ongoing until November 2024	<p>An existing works access point on Moorhall Road/Dellside, is in use for limited works traffic. Public access to the Colne Valley Trail is not affected, however, part of the Public Right of Way U34 has been diverted.</p> <p>Compound fencing has been extended on Harefield Moor to accommodate earthworks. The permissive path between the Colne Valley Trail and Harvil Road around the fence line has been diverted to allow for temporary stockpiling of soil on land between Dews Lane and the Babcock works access.</p> <p>The stockpiled material will be used to create the southern embankment of the Colne Valley Viaduct, next to Harvil Road from October 2023 to November 2024.</p>
	Ongoing until November 2024	<p>A works compound and offices are operational at the former Hillingdon Outdoor Activity Centre (HOAC) site at the end of Dews Lane. This compound is the operation centre for the construction of the temporary jetties and the permanent viaduct structure between the former HOAC site and the Grand Union Canal south bank.</p> <p>Dews Lane is operating as a temporary haul road with secure access at the junction with Harvil Road.</p> <p>Access is permitted for local business (RAC Garages) and other community groups that require access from Harvil Road.</p>
Location 4 Harvil Road	Ongoing until 2025	<p>Permanent lights are now installed to control construction traffic movement at the junction with Harvil Road, in Hillingdon.</p>

Denham Country Park to Harvil Road		<p>Our remaining work focusses on the reinstatement of our working areas in consultation with stakeholders.</p> <p>To meet the requirements of the London Borough of Hillingdon reinstatement plan, we'll work around the base of the old pylon tower near the Grand Union Canal. We'll remove the foundations and a stone crane pad. We'll also import topsoil to be utilised when replanting the area.</p> <p>Remaining activities:</p> <ul style="list-style-type: none"> • Further reinstatement of work areas (including removal of haul road and bridges) following consultation with stakeholders • Lifting of footpath closures – currently in place until September 2022
Location 6 Dews Lane / Newyears Green Bourne	August 2022 to January 2023	Works are underway to create the foundations for the the viaduct piers south of Harvil Road.
Location 7 Savay Lake to Grand Union Canal / Harefield Marina	September 2021 to March 2023	<p>Sheet piling, cofferdams and jetty building will be followed by rotary piling for the ground and lake piers progressing south from Moorhall Road across Savay Lake and crossing the Grand Union Canal.</p> <p>This work will create the permanent structures for the Colne Valley Viaduct.</p> <p>Towpath access along the Grand Union Canal will remain open throughout these works.</p>
		<p>From early 2023, the viaduct decking (the sections of decking which link the piers and form the surface of the viaduct) will be installed in this section by a large segment erection girder.</p>

Location 8 Harefield Lake No2		The deck construction started in May 2022, from the North Embankment near Denham Water Ski Club, Bucks, progressing from north to south along the viaduct.
	October 2021 to March 2024	<p>Sheet piling, cofferdams and jetty building are underway across Harefield Lake No2 from the works compound at the former Hillingdon Outdoor Activities Centre (HOAC).</p> <p>This will be followed by rotary piling for the ground and lake piers from HOAC to the southern bank of the Grand Union Canal.</p> <p>From June 2022 a short section of the access track/National Cycle Route 6 on the southern side of Harefield Marina will be diverted to enable access to build the pier foundations on the southside of the Grand Union Canal. In the first phase, the path will be diverted around the edge of the worksite whilst a temporary pontoon is built in the canal to carry light vehicles, pedestrians, and cyclists around the worksite. For a short period, a small welfare cabin for staff will be located at this site.</p> <p>From early 2023, the viaduct decking (the sections of decking that link the piers and form the surface of the viaduct) will be installed in this section by a large segment erection girder, completing the permanent structure of the viaduct by early 2024.</p>
Location 9 Grand Union Canal / Harefield Marina	February 2022 to December 2023	<p>The existing bridleway leading from U34 to Harvil Road is diverted to allow for soil stockpiling north of HOAC. Access to the fishing locations and Dellside track are not affected, however users of the footpath are diverted around a perimeter fence.</p> <p>Material stockpiled in this location will be moved to site via the existing site entrance and access road at Harvil Road.</p> <p>The stockpile will be used to build the Colne Valley Viaduct South Embankment.</p>

Location 10 Colne Valley Viaduct South Embankment		<p>Works to establish a small compound on land between the south bank of the Grand Union Canal and the HOAC lake began in early April 2022. These works will enable construction of the ground pier in this location and will require phased diversion of the access path and Colne Valley Trail / National Cycle Route 6. This path will remain open during the works.</p>
	<p>February 2022 to December 2023</p>	<p>Rotary piling ongoing at the compound to the western side of Harvil Road. This will provide the foundations for the South Embankment of th Colne Valley Viaduct.</p> <p>Once Harvil Road has been permanently realigned by SCS, Align will complete piling and platform works in the sections next to the new road, closing the gap on the new railway bridge over Harvil Road.</p>

Map 3 – Harvil Road and Newyears Green Lane



Key

Parkland	Rail station	HS2 route Phase One overground
Water/river	Existing train line	HS2 route indication
Underground station	HS2 route Phase One underground	

Construction look ahead

Location of works	Proposed duration	Description of works
Location 1 Copthall North	Ongoing until November 2022	<p>Copthall tunnel:</p> <ul style="list-style-type: none"> Construction continues of the Copthall Tunnel at the Western Portal. Current phase of works at the portal end involves constructing the walls, the bridge deck, extended walls and props and waling beams. In order to enable the permanent works, various temporary works schemes will be implemented at the Western Portal in the next year which will be visible to the public from Harvil Road such as the falsework for the Bridge Deck. Progress further East into the Central Section of the Tunnel and commence the steelwork for the travelling formwork temporary works scheme and erecting falsework for the tunnel soffit.

		<ul style="list-style-type: none"> • Backfilling will commence at the Western Portal <p>Harvil Road North</p> <ul style="list-style-type: none"> • Ongoing construction of the embankment for the road realignment using the material excavated from the Copthall cut and cover tunnel • Newyears Green Bourne diversion to be removed and culvert opened upon completion of construction in September. The embankment will continue over this structure • The gate 2 entrance will be relocated further north to allow the continuation of the embankment in that area
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Locations 2 Harvil Road	Ongoing until December 2022	<p>Chiltern Line Bridge</p> <ul style="list-style-type: none"> • Ongoing construction of the new bridge over the Chiltern line railways, including steel fixing for the deck and for the wingwalls <p>Harvil Road South</p> <ul style="list-style-type: none"> • Skip Lane junction site mobilisation including fencing installation, vegetation clearance and ground preparation • Installation of new site compound access • Construction of new Skip Lane junction earthworks and highway build up, including preparation works for utility diversion.
	Ongoing until April 2023	<p>Treatment area</p> <ul style="list-style-type: none"> • Reinforced concrete works for the construction of the TBM material storage • Conveyor installation works • Roof installation over the TBM material storage bins • Installation of treatment equipment
Location 3 Copthall South	Ongoing into 2024	<p>Southern Sustainable Placement area</p> <ul style="list-style-type: none"> • Haul road construction • Drainage and fencing installation • Top/Subsoil strip to formation • Installation of membrane • Re-work the existing ground to form a geological barrier

Location 4 Northern Sustainable Placement area	Ongoing until October 2023	<ul style="list-style-type: none"> • Construction of earthwork mounds using the material excavated from the Copthall cut and cover tunnel • Material being transported using a conveyor belt over Newyears Green Lane • Temporary diversion of U36/U37 & U38 Footpaths
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Map 4 – Breakspear Road to West Ruislip



Key

 Parkland	 Rail station	 HS2 route Phase One underground
 Water/river	 Existing train line	 HS2 route Phase One overground

Construction look ahead

Location of works	Proposed duration	Description of works
Location 1 West Ruislip (and west along the northern side of the Chiltern Line)	Ongoing beyond December 2022	<ul style="list-style-type: none"> Positioning of completed TBMs against the Launch Chamber wall Carry out test event for the Cutterhead and TBM Staggard launch of the TBM's Complete the temporary conveyor to initial site for spoil on the golf course. Removal of initial spoil towards the treatment area Complete the gantry cranes to allow concrete segments to be unloaded and loaded onto vehicles that will take them into the tunnel Complete the TBMs assembly Begin to store the tunnel segments for the tunnel Delivery of segments to TBM as it moves east Extension of the railway cutting Create area to store the initial spoil from the tunnels Complete installation of electrical and

Location 2 Breakspear Road South (Both sides of Breakspear Road South)		<ul style="list-style-type: none"> mechanical services that will supply the TBM • Begin construction of the bases for tower lights • Erect lighting that will light the segment storage area and route to the tunnel bores and welfare • Placement of soil above the launch chamber.
	Ongoing until December 2022	<ul style="list-style-type: none"> • Excavation of permanent realignment of the River Pinn • Abutments work on either side of Breakspear Road South • Begin works on building the bridge abutments to either side of the River Pinn • Complete excavation of West Ruislip retained embankment • Commence construction of the Gatemead embankment earthworks • Drainage works in Gatemead Embankment area • Install PCC culvert units under Gatemead embankment • Installation of foundations for the TBM conveyor system • Installation of steelwork conveyor bridges and supports • Create and test conveyor system • Bring conveyor system into operation • Continue with the support walls to both of the bridge abutments for Breakspear Road South and River Pinn • Stone columns to Gatemead Embankment and to West Ruislip Retained Embankment foundations • Installation of bridge beams at Breakspear Road South (overnight road closures required) and River Pinn • Construction of bridge decks at Breakspear Road South and River Pinn •

Location 3 Golf Course area	Ongoing until December 2022	<ul style="list-style-type: none"> • Installing fencing and hoarding along the area which will include strimming locally. Access to the golf course for the public will be maintained for as long as possible by leaving access through the fencing. • Archaeology works: • excavation of trenches, site mobilisation and compound set up with fencing, hard standings, and welfare accommodation (this activity will be surrounded by Haris fencing). • Ecological mitigation works: • Fencing installation, haul road construction, vegetation clearance and dewatering works leading to excavation and planting • Preparation works to secure and divert a section of the U44 footpath around the works area.
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Map 5 – West Ruislip to South Ruislip



Key

Parkland	Rail station	Existing train line
Water/river	Underground station	HS2 route Phase One underground
		HS2 route Phase One overground

Construction look ahead

Location of works	Proposed duration	Description of works
Location 1 South Ruislip vent shaft	Ongoing until November 2022	<p>Works are ongoing to set up the South Ruislip site for future construction of the ventilation shaft and headhouse:</p> <ul style="list-style-type: none"> • Construction of capping beam for the main shaft and satellite shaft • Jet grouting works for ground stabilisation • Dewatering operations for shaft excavation • Pipeline being laid along Network Rail land to Yeading Brook for the purpose of discharging water from the dewatering process • Commence shaft excavation inside the main shaft

Location 2 Various locations	Ongoing until October 2023	<p>We will continue major utility protection works in the South Ruislip area in various locations where roads cross over the Chiltern main line and the new HS2 tunnel route.</p> <p>We will be carrying out a phased programme of strengthening and protection works of gas, water, sewers and electricity connections (utilities) at the following locations:</p> <ul style="list-style-type: none"> • Bridgwater Road • Station Approach and Long Drive • Great Central Avenue <p>The works will need to take place ahead of the tunnel boring machines excavation of the new tunnels to protect the utilities from any ground movement.</p>
Location 3 Various locations along the Northolt Tunnels West route	Autumn 2022 to Spring 2024	<p>Tunnelling will begin with the first tunnel boring machine (TBM) launched from the West Ruislip Portal, adjacent to the Ruislip Golf Course, to start the construction of the Northolt Tunnel. The TBM constructing the London Tunnel will be launched approximately one month later.</p> <p>The initial phase of tunnelling involves testing and commissioning the complex machinery within the TBM before it can operate at its expected capability of building up to 15 metres of tunnel a day. Depending on this initial phase, the TBM could be in the vicinity of the nearest residential properties at the end of October/early November and the second TBM will arrive at the same location around one month later.</p> <p>The tunnels broadly follow the alignment of the London Underground Central Line and Chiltern Mainline Railway. They will be constructed near the following residential roads:</p> <p>Ickenham Close, Blenheim Crescent, Herlwyn Avenue, Lawn Close, Almond Close, Cherry Close,</p>

		Roundways and Bridgwater Road in the London
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		<p>Borough of Hillingdon and Rabournmead Drive, Mandeville Road and Greenpark Way in the London Borough of Ealing.</p> <p>The alignment of the Northolt Tunnels West means that a number of roads pass over the tunnel route. To mitigate the effects of tunnelling settlement (ground movement) on utilities, a programme of protection and diversion works will be carried out ahead of when the tunnel boring machines pass nearby.</p> <ul style="list-style-type: none"> • Water and gas main diversions • Water and gas main replacement • Sewer lining <p>Due to the location of utilities within the highways and footways, there will be a series of temporary traffic management in place whilst the protection and diversion works are being carried out.</p>
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Respecting People, Respecting Places

Having listened to feedback from communities and stakeholders, we have refreshed our Community Engagement Strategy. **'Respecting People, Respecting Places'** highlights how we will always try to do the right thing and reduce disruption to the lives of local people as much as we can during the planning and building of the railway.

We will engage with you by:

- **Informing:** Keeping you updated on issues that affect your area
- **Involving:** Involving you in opportunities as we plan and build HS2
- **Responding:** Listening to you and helping with your questions and concerns
- **Consulting:** Formally consult with you while we seek permission to build Phase 2b (we now have permission to build Phase One and Phase 2a)

Our commitments to you

Informing

- We will tell you about HS2 works in your area.
- We have local community websites and newsletters with regular information and updates about our work in your area.
- We have local community teams who know your area. They will hold local events and run projects to keep you informed.

Involving

- We will involve you in opportunities to benefit and learn as we build HS2 including jobs, skills, education, employment and funding.
- We will ask you about the design of specific parts of the railway.

Responding

- Our dedicated HS2 Helpdesk is available 24 hours a day, every day of the year, to help with any questions or concerns you have about HS2 or our work.
- If things go wrong, we have a complaints process and a dedicated complaints team.
- An independent Construction Commissioner monitors how we manage and deal with complaints.

Consulting

- We will hold formal consultations with you while we seek permission to build Phase 2b of HS2.
- We now have permission to build Phase One and Phase 2a. This means we will only formally consult on this part of HS2 when we need permission to do things that fall outside the terms of the legislation agreed by Parliament.

Keeping you informed

We are committed to keeping you informed about work on HS2. This includes ensuring you know what to expect and when to expect it, as well as how we can help.

Residents' Commissioner

The Residents' Commissioner oversees and monitors our commitments to you.

The Commissioner's reports and our responses can be found at

<http://www.gov.uk/government/collections/hs2-ltd-residents-commissioner>

The Residents' Commissioner makes sure we fulfil the commitments in the [HS2 Community Engagement Strategy](#)

The Residents' Commissioner can be contacted on:

residentscommissioner@hs2.org.uk

Construction Commissioner

The independent Construction Commissioner regularly meets our Chief Executive Officer to raise any concerns or emerging trends across HS2.

The Construction Commissioner's role has been developed to monitor the way we manage and respond to construction complaints.

The Commissioner mediates on disputes about construction, involving individuals and organisations, that we can't resolve. The Commissioner advises members of the public about how to make a complaint about construction.

The Construction Commissioner can be contacted at:

complaints@hs2-cc.org.uk

Property and compensation

You can find out all about HS2 and properties along the line of route by visiting:

www.gov.uk/government/collections/hs2-property

Find out if you're eligible for compensation at:

www.gov.uk/claim-compensation-if-affected-by-hs2

Holding us to account

If you are unhappy for any reason you can make a complaint by contacting our HS2 Helpdesk team. For more details on our complaints process, please visit our website:

www.hs2.org.uk/how-to-complain

Contact Us

Contact our HS2 Helpdesk team all day, every day of the year on:



Freephone **08081 434 434**



Minicom **08081 456 472**



Email **HS2enquiries@hs2.org.uk**

Write to:

FREEPOST

HS2 Community Engagement

Website www.hs2.org.uk

To keep up to date with what is happening in your local area, visit: www.HS2inyourarea.co.uk

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